## (19) World Intellectual Property Organization

International Bureau



# I BRANA BUNKURI NI BURUR HANK BENK BENK BURU 1 KI KI BRANA KIRAN HAND KIRAN KIRAN KIRAN BURURI BANKARI KAN KIRA

(43) International Publication Date 4 March 2004 (04.03.2004)

**PCT** 

### (10) International Publication Number WO 2004/018217 A1

(51) International Patent Classification7:

B41J 3/407

(21) International Application Number:

PCT/US2002/026384

(22) International Filing Date: 20 August 2002 (20.08.2002)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicants and

- (72) Inventors: KOFMAN, Leonid [US/US]; 35 Seacoast Terrace, Apt. 15L, Brooklyn, NY 11235 (US). CHERNOV, Yuri, D. [US/US]; 2448 East 22nd Street, Brooklyn, NY 11235 (US). KLEYMAN, Gennady, I. [US/US]; 1209 East 19th Street, Suite 3A, Brooklyn, NY 11230 (US).
- (74) Agents: KATESHOV, Yuri et al.; Dilworth & Barrese, LLP, 333 Earle Ovington Blvd., Uniondale, NY 11553
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Declaration under Rule 4.17:

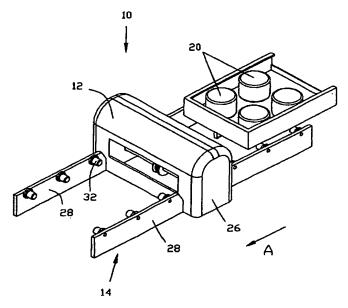
of inventorship (Rule 4.17(iv)) for US only

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GUIDE UNIT FOR POSITIONING TRAYS IN EDIBLE INK PRINTER



(57) Abstract: An apparatus for printing a visual image on food items (20) has a printing station provided with a printer (12) connected to the computer and having software for directly printing the image on the exposed surface of the food item. The printing station includes a frame, at least one tray receiving the food item and displaceably supported on the frame, a printer head and a guide mechanism operative to linearly displace the tray so that a distance between the printer head and the exposed surface of the food item remains uniform as the tray is displaced along the travel direction.

INTERNATIONAL SEARCH REPORT

Interest Application No	_
PC17 US 02/26384	

A 01 400			PUT70S 02/26384
ÎPC 7	SIFICATION OF SUBJECT MATTER B41J3/407		
According	to International Patent Classification (IPC) or to both national classification	assification and IPC	
	S SEARCHED		
	documentation searched (classification system followed by class $B41J$		
Documenta	ation searched other than minimum documentation to the extent	that such documents are inclu	ided in the fields searched
Electronic	data base consulted during the International search (name of da	ta base and, where practical	soarch torms weed
EPO-In	iternal, WPI Data, PAJ	,	ocaron terms used)
	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the	Relevant to claim No.	
X	WO 01 29748 A (MILLER ILYA L ; YURIY D (US); KOFMAN LEONID M STIBER) 26 April 2001 (2001-04 page 16 -page 19; claim 1	(1167)	1,13-20
Furthe	er documents are listed in the continualion of box C.		
	egories of cited documents:	X Patent family me	embers are listed in annex.
'A' document conside. 'E' earlier do filing dat L' document which is citation of document other me	at defining the general state of the art which is not cred to be of particular relevance recument but published on or after the international te is the control of the credit of the control of the contr	cited to understand t invention  "X" document of particular cannot be considered involve an inventive s "Y" document of particular cannot be considered document is combine	ned after the international filing date of in conflict with the application but the principle or theory underlying the relevance; the claimed invention of novel or cannot be considered to step when the document is taken alone relevance; the claimed invention of to involve an inventive step when the dod with one or more other such docution being obvious to a person skilled
ate of the ac	tual completion of the international search		International search report
	April 2003	24/04/200	)3
lame and ma	iling address of the ISA European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer	
	NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Wehr, W	

Form PCT/ISA/210 (second sheet) (July 1992)

## INTERNATIONAL SEARCH REPORT

hation on patent family members

PC), 5 02/26384

				101/00 02/20004	
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0129748	A	26-04-2001	US US AU WO	6230073 B1 6499842 B1 1082401 A 0129748 A1	08-05-2001 31-12-2002 30-04-2001 26-04-2001

Form PCT/ISA/210 (patent family annex) (July 1992)